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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/646,655
		Filing Date	August 21, 2003
		First Named Inventor	Jee-Hoon KIM
		Art Unit	2871 2873
		Examiner Name	Not Yet Assigned M. Hasar
Total Number of Pages in This Submission	38 + 205 Refs	Attorney Docket Number	404302001300

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	1. Form PTO-1449 + duplicate (34 pages)
<input checked="" type="checkbox"/> Information Disclosure Statement (3 pages)	<input type="checkbox"/> CD, Number of CD(s) _____	2. Two Hundred Five (205) References
<input type="checkbox"/> Certified Copy of Priority Document(s)		3. Return Receipt Postcard
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	MORRISON & FOERSTER LLP (Customer No. 25226) Douglas G. Hodder - 41,840
Signature	
Date	September 1, 2004

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.	
Dated: September 1, 2004	Signature:  (Maria Linda Guillermo)



PATENT  
Docket No. 404302001300

**CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"**

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Maria Linda Guillermo

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the application of:

Jee-Hoon KIM et al.

Serial No.: 10/646,655

Filing Date: August 21, 2003

For: TFT SENSOR HAVING IMPROVED  
IMAGING SURFACE

Examiner: Not Yet Assigned

Group Art Unit: 2871

**INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Pursuant to the USPTO notice dated July 11, 2003, waiving the requirement under 37 C.F.R. § 1.98 (a)(2)(i) to provide copies of U.S. Patents and U.S. Published Applications, copies of those references are not submitted. Copies of foreign documents and non-patent literature are submitted herewith. The Examiner is requested to make these documents of record in the application.

Regarding reference numbers 470, 471, 473 and 475, Applicants wish to draw the attention of the Examiner to the fact that the year of the publication submitted is sufficiently earlier than the effective U.S. filing date of the related application so that the particular month of publication is not an issue.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - ☐ A fee is required. A check in the amount of \_\_ is enclosed.
  - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of \_\_ is enclosed.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

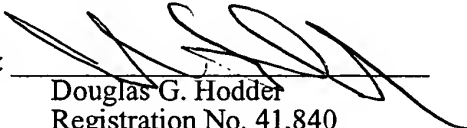
The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17(p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing 404302001300. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: September 1, 2004

Respectfully submitted,

By: \_\_\_\_\_

  
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Registration No. 41,840

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<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>	Docket Number 404302001300	Application Number 10/646,655
	Applicant  Jee-Hoon KIM et al.	
	Filing Date August 21, 2003	Group Art Unit 2871 2873
	Mailing Date September 1, 2004	

/MH/	27.	07/01/1980	4,210,899	Swonger et al.			
	28.	01/20/1981	4,246,568	Peterson			
	29.	02/24/1981	4,253,086	Szwarcwier			
	30.	03/31/1981	4,258,994	Task			
	31.	03/30/1982	4,322,163	Schiller			
	32.	06/29/1982	4,336,998	Ruell			
	33.	07/06/1982	4,338,025	Engel			
	34.	07/20/1982	4,340,300	Ruell			
	35.	10/05/1982	4,353,056	Tsikos			
	36.	11/09/1982	4,358,677	Ruell et al.			
	37.	05/31/1983	4,385,831	Ruell			
	38.	07/19/1983	4,394,773	Ruell			
	39.	11/08/1983	4,414,684	Blonder			
	40.	01/31/1984	4,428,670	Ruell et al.			
	41.	01/31/1984	4,429,413	Edwards			
	42.	06/19/1984	4,455,083	Elmes			
	43.	08/28/1984	4,467,545	Shaw, Jr.			
	44.	12/04/1984	4,486,180	Riley			
	45.	08/27/1985	4,537,484	Fowler et al.			
	46.	10/01/1985	4,544,267	Schiller			
	47.	11/19/1985	4,553,837	Marcus			
	48.	02/04/1986	4,569,080	Schiller			
	49.	03/18/1986	4,577,345	Abramov			
	50.	04/15/1986	4,582,985	Löfberg			
	51.	01/13/1987	4,636,622	Clark			
	52.	05/26/1987	4,668,995	Chen et al.			
	53.	07/21/1987	4,681,435	Kubota et al.			
	54.	07/21/1987	4,681,438	Kaneko			
	55.	08/04/1987	4,684,802	Hakenewerth et al.			

EXAMINER: /Mohammed Hasan/

DATE CONSIDERED: 07/18/2008

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>		Docket Number 404302001300	Application Number 10/646,655
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		Filing Date August 21, 2003	Group Art Unit 2871 2873
		Mailing Date September 1, 2004	

/MH/	56.	10/20/1987	4,701,959	Asai et al.			
	57.	03/01/1988	4,728,186	Eguchi et al.			
	58.	03/01/1988	4,729,128	Grimes et al.			
	59.	05/17/1988	4,745,268	Drexler			
	60.	08/30/1988	4,768,021	Ferraro			
	61.	11/08/1988	4,783,167	Schiller et al.			
	62.	11/08/1988	4,783,823	Tasaki et al.			
	63.	11/15/1988	4,784,484	Jensen			
	64.	11/15/1988	4,785,171	Dowling, Jr. et al.			
	65.	11/29/1988	4,787,742	Schiller et al.			
	66.	12/20/1988	4,792,226	Fishbine et al.			
	67.	05/23/1989	4,832,485	Bowles			
	68.	05/30/1989	4,835,376	Drexler			
	69.	10/03/1989	4,872,203	Asai et al.			
	70.	10/24/1989	4,876,725	Tomko			
	71.	12/26/1989	4,889,983	Numano et al.			
	72.	02/27/1990	4,905,293	Asai et al.			
	73.	05/08/1990	4,924,085	Kato et al.			
	74.	05/15/1990	4,925,300	Rachlin			
	75.	06/12/1990	4,932,776	Dowling, Jr. et al.			
	74.	06/26/1990	4,936,680	Henkes et al.			
	77.	08/07/1990	4,946,276	Chilcott			
	78.	12/11/1990	4,977,601	Bicz			
	79.	12/18/1990	4,979,007	Ogawa et al.			
	80.	01/08/1991	4,983,415	Arndt et al.			
	81.	02/19/1991	4,995,086	Lilley et al.			
	82.	09/17/1991	5,050,220	Marsh et al.			
	83.	09/24/1991	5,051,576	Schiller			
	84.	10/01/1991	5,053,608	Senanayake			

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	Applicant  Jee-Hoon KIM et al.	
	Filing Date August 21, 2003	Group Art Unit 2871 2873
	Mailing Date September 1, 2004	

/MH/	85.	11/19/1991	5,067,162	Driscoll, Jr. et al.			
	86.	12/31/1991	5,077,803	Kato et al.			
	87.	02/18/1992	5,088,817	Igaki et al.			
	88.	03/10/1992	5,095,194	Barbanell			
	89.	03/17/1992	5,096,290	Ohta			
	90.	04/07/1992	5,103,486	Grippi			
	91.	04/28/1992	5,109,427	Yang			
	92.	08/11/1992	5,138,468	Barbanell			
	93.	09/01/1992	5,144,680	Kobayashi et al.			
	94.	09/08/1992	5,146,102	Higuchi et al.			
	95.	11/10/1992	5,162,644	Nagata et al.			
	96.	12/29/1992	5,175,593	Kumagai et al.			
	97.	01/05/1993	5,177,353	Schiller			
	98.	01/05/1993	5,177,435	Kiyokawa et al.			
	99.	01/05/1993	5,177,802	Fujimoto et al.			
	100.	02/16/1993	5,187,748	Lee			
	101.	02/23/1993	5,189,482	Yang			
	102.	03/16/1993	5,193,855	Shamos			
	103.	04/06/1993	5,200,634	Tsukada et al.			
	104.	05/11/1993	5,210,588	Lee			
	105.	05/25/1993	5,214,699	Monroe et al.			
	104.	06/22/1993	5,222,152	Fishbine et al.			
	107.	06/22/1993	5,222,153	Beiswenger			
	108.	06/29/1993	5,224,173	Kuhns et al.			
	109.	06/29/1993	5,224,174	Schneider et al.			
	110.	07/20/1993	5,229,764	Matchett et al.			
	111.	07/20/1993	5,230,025	Fishbine et al.			
	112.	08/03/1993	5,233,404	Lougheed et al.			
	113.	08/24/1993	5,239,590	Yamamoto			

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	Applicant  Jee-Hoon KIM et al.	
	Filing Date August 21, 2003	Group Art Unit 2871 2873
	Mailing Date September 1, 2004	

/MH/	114.	08/31/1993	5,241,606	Horie			
	115.	11/02/1993	5,259,025	Monroe et al.			
	116.	11/09/1993	5,261,008	Yamamoto			
	117.	12/07/1993	5,268,963	Monroe et al.			
	118.	01/18/1994	5,280,527	Gullman et al.			
	119.	05/03/1994	5,309,288	Kahre			
	120.	06/28/1994	5,325,442	Knapp			
	121.	08/09/1994	5,337,369	Shibuya			
	122.	08/30/1994	5,343,529	Goldfine et al.			
	123.	09/20/1994	5,349,174	Van Berkel et al.			
	124.	11/08/1994	5,363,453	Gagne et al.			
	125.	12/13/1994	5,373,181	Scheiter et al.			
	126.	01/31/1995	5,386,104	Sime			
	127.	03/28/1995	5,400,662	Tamori			
	128.	05/16/1995	5,416,573	Sartor, Jr.			
	125.	05/30/1995	5,420,936	Fitzpatrick et al.			
	130.	05/30/1995	5,420,937	Davis			
	131.	06/20/1995	5,426,708	Hamada et al.			
	132.	08/29/1995	5,446,290	Fujieda et al.			
	133.	09/05/1995	5,448,649	Chen et al.			
	130.	09/05/1995	5,448,659	Tsutsui et al.			
	135.	10/10/1995	5,456,256	Schneider et al.			
	136.	11/07/1995	5,465,303	Levison et al.			
	137.	11/14/1995	5,467,403	Fishbine et al.			
	138.	01/02/1996	5,480,810	Wei et al.			
	139.	01/16/1996	5,485,312	Horner et al.			
	140.	02/20/1996	5,493,621	Matsumura			
	141.	04/02/1996	5,503,029	Tamori			
	142.	04/16/1996	5,509,083	Abtahi et al.			

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		Applicant  Jee-Hoon KIM et al.	
		Filing Date August 21, 2003	Group Art Unit 2871 <b>2873</b>
		Mailing Date September 1, 2004	

/MH/	143.	04/20/1996	5,513,272	Bogosian, Jr.			
	144.	05/07/1996	5,515,298	Bicz			
	145.	05/14/1996	5,515,738	Tamori			
	146.	05/28/1996	5,521,731	Fukuyama et al.			
	147.	06/04/1996	5,524,161	Omori et al.			
	148.	06/18/1996	5,526,701	Tamori			
	149.	07/30/1996	5,541,994	Tomko et al.			
	150.	08/13/1996	5,546,471	Merjanian			
	151.	08/20/1996	5,548,394	Giles et al.			
	152.	09/24/1996	5,559,504	Itsumi et al.			
	153.	10/08/1996	5,563,345	Kersten et al.			
	154.	12/24/1996	5,587,533	Schneider et al.			
	155.	01/21/1997	5,596,454	Hebert			
	156.	01/28/1997	5,598,474	Johnson			
	157.	02/18/1997	5,603,179	Adams			
	158.	04/08/1997	5,619,586	Sibbald			
	159.	04/15/1997	5,621,516	Shinzaki et al.			
	160.	04/22/1997	5,623,552	Lane			
	161.	04/22/1997	5,623,553	Sekiya			
	162.	04/29/1997	5,625,448	Ranalli et al.			
	163.	05/13/1997	5,629,764	Bahuguna et al.			
	164.	06/03/1997	5,635,723	Fujieda et al.			
	165.	07/01/1997	5,644,645	Osuga			
	166.	07/15/1997	5,648,648	Chou et al			
	167.	07/22/1997	5,650,842	Maase et al.			
	168.	10/21/1997	5,680,205	Borza			
	169.	10/21/1997	5,680,460	Tomko et al.			
	170.	11/11/1997	5,686,765	Washington			
	171.	11/18/1997	5,689,576	Schneider et al.			

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	Mailing Date September 1, 2004	

/MH/	172.	12/30/1997	5,701,770	Cook et al.			
	173.	01/13/1998	5,708,497	Fujieda			
	174.	01/27/1998	5,712,912	Tomko et al.			
	175.	02/24/1998	5,721,583	Harada et al.			
	176.	03/17/1998	5,729,334	Van Ruyven			
	177.	03/24/1998	5,732,148	Keagy et al.			
	178.	04/07/1998	5,736,734	Marcus et al.			
	179.	04/07/1998	5,737,071	Arndt			
	180.	04/07/1998	5,737,420	Tomko et al.			
	181.	04/07/1998	5,737,439	Lapsley et al.			
	182.	04/14/1998	5,740,276	Tomko et al.			
	183.	04/28/1998	5,745,046	Itsumi et al.			
	184.	05/05/1998	5,748,765	Takhar			
	185.	05/05/1998	5,748,766	Maase et al.			
	186.	05/26/1998	5,757,278	Itsumi			
	187.	06/02/1998	5,761,330	Stoianov et al.			
	188.	06/09/1998	5,764,347	Podmaniczky et al.			
	189.	07/07/1998	5,778,089	Borza			
	190.	07/14/1998	5,781,651	Hsiao et al.			
	191.	08/04/1998	5,790,668	Tomko			
	192.	08/18/1998	5,796,857	Hara			
	193.	08/18/1998	5,796,858	Zhou et al.			
	194.	09/15/1998	5,808,729	Sugawara et al.			
	195.	09/22/1998	5,812,252	Bowker et al.			
	196.	09/29/1998	5,815,252	Price-Francis			
	197.	09/29/1998	5,815,598	Hara et al.			
	198.	10/06/1998	5,818,956	Tuli			
	199.	10/13/1998	5,822,445	Wong			
	200.	10/20/1998	5,825,005	Behnke			

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	Mailing Date September 1, 2004	

/MH/	201.	10/20/1998	5,825,474	Maase			
	202.	10/27/1998	5,828,773	Setlak et al.			
	203.	11/03/1998	5,832,091	Tomko et al.			
	204.	11/17/1998	5,838,206	Busca et al.			
	205.	11/17/1998	5,838,306	O'Connor et al.			
	206.	11/24/1998	5,841,907	Javidi et al.			
	207.	12/01/1998	5,844,287	Hassan et al.			
	208.	12/08/1998	5,847,876	Ferrante et al.			
	209.	12/08/1998	5,848,231	Teitelbaum et al.			
	210.	12/22/1998	5,852,670	Setlak et al.			
	211.	01/12/1999	5,859,420	Borza			
	212.	01/19/1999	5,862,248	Salatino et al.			
	213.	02/02/1999	5,867,802	Borza			
	214.	02/09/1999	5,869,822	Meadows, II et al.			
	215.	02/23/1999	5,875,025	Toyoda et al.			
	216.	03/09/1999	5,879,454	Peng			
	217.	07/06/1999	5,892,599	Bahuguna			
	218.	05/04/1999	5,900,993	Betensky			
	219.	05/11/1999	5,903,225	Schmitt et al.			
	220.	05/25/1999	5,907,627	Borza			
	221.	07/06/1999	5,920,384	Borza			
	222.	07/06/1999	5,920,640	Salatino et al.			
	223.	07/06/1999	5,920,642	Merjanian			
	224.	07/20/1999	5,926,261	Hoshino			
	225.	08/17/1999	5,937,557	Bowker et al.			
	226.	08/17/1999	5,938,706	Feldman			
	227.	08/17/1999	5,940,525	Isumi			
	228.	08/17/1999	5,940,526	Setlak et al.			
	229.	08/24/1999	5,942,761	Tuli			

EXAMINER: /Mohammed Hasan/

DATE CONSIDERED: 07/18/2008

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>	Docket Number 404302001300	Application Number 10/646,655
	Applicant  Jee-Hoon KIM et al.	
	Filing Date August 21, 2003	Group Art Unit 2871 2873
	Mailing Date September 1, 2004	

/MH/	230.	09/14/1999	5,952,588	Young			
	231.	09/14/1999	5,953,441	Setlak			
	232.	09/14/1999	5,953,442	Dydyk et al.			
	233.	09/21/1999	5,956,415	McCalley et al.			
	234.	10/05/1999	5,963,656	Bolle et al.			
	235.	10/05/1999	5,963,657	Bowker et al.			
	236.	10/05/1999	5,963,679	Setlak			
	237.	10/19/1999	5,970,405	Kaplan et al.			
	238.	10/26/1999	5,974,162	Metz et al.			
	239.	11/02/1999	5,978,495	Thomopoulos et al.			
	240.	11/02/1999	5,978,496	Harkin			
	241.	11/09/1999	5,982,894	McCalley et al.			
	242.	11/16/1999	5,986,746	Metz et al.			
	243.	11/23/1999	5,991,145	Lagrotta et al.			
	244.	11/23/1999	5,991,431	Borza et al.			
	245.	11/23/1999	5,991,467	Kamiko			
	246.	11/30/1999	5,995,630	Borza			
	247.	12/14/1999	6,002,499	Corboline et al.			
	248.	12/14/1999	6,002,770	Tomko et al.			
	249.	12/21/1999	6,005,962	Hirota et al			
	250.	12/21/1999	6,006,328	Drake			
	251.	01/04/2000	6,011,860	Fujieda et al.			
	252.	03/28/2000	6,044,128	Tanaka et al.			
	253.	09/05/2000	6,115,483	Suga			
	254.	09/05/2000	6,115,484	Bowker et al.			
	255.	09/19/2000	6,122,394	Neukermans et al.			
	256.	10/03/2000	6,127,674	Shinzaki et al			
	257.	11/21/2000	6,150,665	Suga			
	258.	11/28/2000	6,154,285	Teng et al.			

EXAMINER: /Mohammed Hasan/	DATE CONSIDERED: 07/18/2008
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	Applicant Jee-Hoon KIM et al.	
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/MH/	259.	01/16/2001	6,175,641	Kalló et al.			
	260.	02/06/2001	6,185,319	Fujiwara			
	261.	05/29/2001	6,239,468	Chang et al.			
	262.	06/05/2001	6,243,062	den Boer et al.			
	263.	10/09/2001	6,300,977	Waechter et al.			
	264.	11/27/2001	6,324,020	Teng et al.			
	265.	12/04/2001	6,327,376	Harkin			
	266.	04/30/2002	6,381,347	Teng et al.			
	267.	06/11/2002	6,401,551	Kawahara et al.			
	268.	10/08/2002	6,462,563	Kawahara et al.			
	269.	10/08/2002	6,463,166	Fujiwara			
	270.	12/31/2002	6,501,529	Kurihara et al.			
	271.	04/22/2003	6,552,764	Fujioka et al.			

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Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
/MH/	272.	09/07/1991	CA 1,286,032	Canada				
	273.	02/17/1982	EP 0 045 915	Europe			Abstract	
	274.	03/22/1989	EP 0 308 162	Europe				
	275.	10/05/1994	EP 0 617 919	Europe				
	276.	03/01/1995	EP 0 640 933	Europe			Abstract	
	277.	06/10/1998	EP 0 847 024	Europe				
	278.	09/30/1998	EP 0 867 828	Europe				
	279.	09/30/1998	EP 0 867 829	Europe				
	280.	09/19/1996	DE 19509751	Germany				
	281.	01/30/1980	JP 55-013446	Japan			Abstract	
	282.	05/09/1983	JP 58-076705	Japan			Abstract	
	283.	08/27/1983	JP 58-144280	Japan			Abstract	

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/MH/	284.	11/22/1983	JP 58-201178	Japan			Abstract	
	285.	03/28/1984	JP 59-053975	Japan			Abstract	
	286.	06/14/1984	JP 59-103175	Japan			Abstract	
	287.	08/10/1984	JP 59-139481	Japan			Abstract	
	288.	08/15/1984	JP 59-142675	Japan			Abstract	
	289.	11/19/1984	JP 59-204019	Japan			Abstract	
	290.	03/20/1985	JP 60-050406	Japan			Abstract	
	291.	03/01/1986	JP 61-043380	Japan			Abstract	
	292.	03/05/1986	JP 61-045371	Japan			Abstract	
	293.	03/27/1986	JP 61-059574	Japan			Abstract	
	294.	07/03/1986	JP 61-145686	Japan			Abstract	
	295.	07/10/1986	JP 61-151788	Japan			Abstract	
	296.	07/12/1986	JP 61-153779	Japan			Abstract	
	297.	08/07/1986	JP 61-175866	Japan			Abstract	
	298.	08/07/1986	JP 61-175868	Japan			Abstract	
	299.	09/02/1986	JP 61-198211	Japan			Abstract	
	300.	09/06/1986	JP 61-201380	Japan			Abstract	
	301.	10/02/1986	JP 61-221883	Japan			Abstract	
	302.	10/25/1986	JP 61-240383	Japan			Abstract	
	303.	12/23/1986	JP 61-292786	Japan			Abstract	
	304.	01/28/1987	JP 62-020081	Japan			Abstract	
	305.	02/24/1987	JP 62-042285	Japan			Abstract	
	306.	03/20/1987	JP 62-063381	Japan			Abstract	
	307.	04/02/1987	JP 62-072081	Japan			Abstract	
	308.	04/04/1987	JP 62-074171	Japan			Abstract	
	309.	04/04/1987	JP 62-074172	Japan			Abstract	
	310.	04/04/1987	JP 62-074175	Japan			Abstract	
	311.	04/04/1987	JP 62-074176	Japan			Abstract	
	312.	04/04/1987	JP 62-074177	Japan			Abstract	

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	Applicant  Jee-Hoon KIM et al.	
	Filing Date August 21, 2003	Group Art Unit 2871 2873
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/MH/	313.	04/11/1987	JP 62-079488	Japan			Abstract	
	314.	04/25/1987	JP 62-090780	Japan			Abstract	
	315.	06/02/1987	JP 62-121587	Japan			Abstract	
	316.	06/02/1987	JP 62-121588	Japan			Abstract	
	317.	06/04/1987	JP 62-123580	Japan			Abstract	
	318.	07/09/1987	JP 62-154075	Japan			Abstract	
	319.	08/22/1987	JP 62-191816	Japan			Abstract	
	320.	09/11/1987	JP 62-206687	Japan			Abstract	
	321.	09/11/1987	JP 62-206688	Japan			Abstract	
	322.	09/11/1987	JP 62-206689	Japan			Abstract	
	323.	09/14/1987	JP 62-209686	Japan			Abstract	
	324.	10/15/1987	JP 62-235691	Japan			Abstract	
	325.	11/19/1987	JP 62-266686	Japan			Abstract	
	326.	01/05/1988	JP 63-000678	Japan			Abstract	
	327.	01/05/1988	JP 63-000679	Japan			Abstract	
	328.	03/24/1988	JP 63-065578	Japan			Abstract	
	329.	04/04/1988	JP 63-074026	Japan			Abstract	
	330.	05/27/1988	JP 63-124176	Japan			Abstract	
	331.	05/27/1988	JP 63-124177	Japan			Abstract	
	332.	06/29/1988	JP 63-156294	Japan			Abstract	
	333.	07/09/1988	JP 63-165982	Japan			Abstract	
	330.	07/21/1988	JP 63-177279	Japan			Abstract	
	335.	08/24/1988	JP 63-204374	Japan			Abstract	
	336.	08/25/1988	JP 63-205777	Japan			Abstract	
	337.	09/13/1988	JP 63-220216	Japan			Abstract	
	338.	09/14/1988	JP 63-221483	Japan			Abstract	
	339.	09/14/1988	JP 63-221484	Japan			Abstract	
	340.	09/14/1988	JP 63-221485	Japan			Abstract	
	341.	09/19/1988	JP 63-223875	Japan			Abstract	

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	Applicant  Jee-Hoon KIM et al.	
	Filing Date August 21, 2003	Group Art Unit 2871 <b>2873</b>
	Mailing Date September 1, 2004	

/MH/	342.	09/22/1988	JP 63-228270	Japan			Abstract	
	343.	09/22/1988	JP 63-228271	Japan			Abstract	
	344.	11/07/1988	JP 63-269258	Japan			Abstract	
	345.	11/11/1988	JP 63-273975	Japan			Abstract	
	346.	11/11/1988	JP 63-273976	Japan			Abstract	
	347.	11/29/1988	JP 63-292275	Japan			Abstract	
	348.	12/06/1988	JP 63-298484	Japan			Abstract	
	349.	12/08/1988	JP 63-301368	Japan			Abstract	
	350.	12/08/1988	JP 63-301369	Japan			Abstract	
	351.	12/15/1988	JP 63-307586	Japan			Abstract	
	352.	12/19/1988	JP 63-310087	Japan			Abstract	
	353.	12/20/1988	JP 63-311484	Japan			Abstract	
	354.	01/18/1989	JP 01-013677	Japan			Abstract	
	355.	01/18/1989	JP 01-013678	Japan			Abstract	
	356.	02/08/1989	JP 01-037934	Japan			Abstract	
	357.	02/20/1989	JP 01-046172	Japan			Abstract	
	358.	03/06/1989	JP 01-058069	Japan			Abstract	
	359.	03/14/1989	JP 01-068894	Japan			Abstract	
	360.	03/22/1989	JP 01-076376	Japan			Abstract	
	361.	04/13/1989	JP 01-094418	Japan			Abstract	
	362.	05/11/1989	JP 01-119881	Japan			Abstract	
	363.	05/11/1989	JP 01-119882	Japan			Abstract	
	364.	05/26/1989	JP 01-134687	Japan			Abstract	
	365.	07/18/1989	JP 01-180685	Japan			Abstract	
	366.	07/18/1989	JP 01-180686	Japan			Abstract	
	367.	08/17/1989	JP 01-205392	Japan			Abstract	
	368.	08/17/1989	JP 01-205393	Japan			Abstract	
	369.	09/06/1989	JP 01-223576	Japan			Abstract	
	370.	10/11/1989	JP 01-254827	Japan			Abstract	

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	Applicant Jee-Hoon KIM et al.	
	Filing Date August 21, 2003	Group Art Unit 2871 2873
	Mailing Date September 1, 2004	

/MH/	371.	10/19/1989	JP 01-262838	Japan			Abstract	
	372.	11/20/1989	JP 01-287786	Japan			Abstract	
	373.	12/12/1989	JP 01-307886	Japan			Abstract	
	374.	12/19/1989	JP 01-314383	Japan			Abstract	
	375.	01/05/1990	JP 02-001242	Japan			Abstract	
	376.	02/20/1990	JP 02-050782	Japan			Abstract	
	377.	05/15/1990	JP 02-126381	Japan			Abstract	
	378.	05/23/1990	JP 02-133892	Japan			Abstract	
	379.	06/05/1990	JP 02-146691	Japan			Abstract	
	380.	06/07/1990	JP 02-149253	Japan			Abstract	
	381.	06/21/1990	JP 02-161931	Japan			Abstract	
	382.	06/25/1990	JP 02-164340	Japan			Abstract	
	383.	06/27/1990	JP 02-167138	Japan			Abstract	
	384.	07/10/1990	JP 02-176894	Japan			Abstract	
	385.	07/24/1990	JP 02-188888	Japan			Abstract	
	386.	08/01/1990	JP 02-194485	Japan			Abstract	
	387.	09/10/1990	JP 02-226493	Japan			Abstract	
	388.	11/05/1990	JP 02-270087	Japan			Abstract	
	389.	11/05/1990	JP 02-270088	Japan			Abstract	
	390.	11/13/1990	JP 02-277182	Japan			Abstract	
	391.	04/18/1991	JP 03-092983	Japan			Abstract	
	392.	04/18/1991	JP 03-092984	Japan			Abstract	
	393.	04/22/1991	JP 03-095693	Japan			Abstract	
	394.	04/25/1991	JP 03-100785	Japan			Abstract	
	395.	05/10/1991	JP 03-110689	Japan			Abstract	
	396.	05/15/1991	JP 03-113686	Japan			Abstract	
	397.	07/02/1991	JP 03-154182	Japan			Abstract	
	398.	07/31/1991	JP 03-176719	Japan			Abstract	
↓	399.	08/26/1991	JP 03-194675	Japan			Abstract	

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	Mailing Date September 1, 2004	

/MH/	400.	08/26/1991	JP 03-194676	Japan			Abstract	
	401.	08/26/1991	JP 03-194677	Japan			Abstract	
	402.	09/25/1991	JP 03-217992	Japan			Abstract	
	403.	10/30/1991	JP 03-244092	Japan			Abstract	
	404.	11/05/1991	JP 03-246693	Japan			Abstract	
	405.	11/05/1991	JP 03-246778	Japan			Abstract	
	406.	12/24/1991	JP 03-292578	Japan			Abstract	
	407.	01/28/1992	JP 04-024881	Japan			Abstract Only	
	408.	03/23/1992	JP 04-088586	Japan			Abstract	
	409.	03/25/1992	JP 04-092990	Japan			Abstract	
	410.	04/21/1992	JP 04-120671	Japan			Abstract	
	411.	04/27/1992	JP 04-125780	Japan			Abstract	
	412.	06/30/1992	JP 04-182879	Japan			Abstract	
	413.	07/08/1992	JP 04-190470	Japan			Abstract	
	414.	08/19/1992	JP 04-230583	Japan			Abstract	
	415.	08/31/1992	JP 04-242486	Japan			Abstract	
	418.	09/08/1992	JP 04-252383	Japan			Abstract	
	417.	09/28/1992	JP 04-271477	Japan			Abstract	
	418.	09/28/1992	JP 04-271478	Japan			Abstract	
	419.	11/11/1992	JP 04-320899	Japan			Abstract	
	420.	12/21/1992	JP 04-367984	Japan			Abstract	
	421.	04/23/1993	JP 05-101168	Japan			Abstract	
	422.	07/02/1993	JP 05-168610	Japan			Abstract	
	423.	08/27/1993	JP 05-216981	Japan			Abstract	
	424.	09/21/1993	JP 05-242230	Japan			Abstract	
	425.	10/15/1993	JP 05-266174	Japan			Abstract	
	426.	11/12/1993	JP 05-298431	Japan			Abstract	
	427.	07/15/1994	JP 06-195450	Japan			Abstract	
	428.	10/07/1994	JP 06-282636	Japan			Abstract	

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/MH/	429.	05/19/1995	JP 07-131322	Japan			Abstract	
	430.	07/11/1995	JP 07-171137	Japan			Abstract	
	431.	08/08/1995	JP 07-208001	Japan			Abstract	
	432.	08/18/1995	JP 07-220041	Japan			Abstract	
	433.	10/13/1995	JP 07-262380	Japan			Abstract	
	434.	11/28/1995	JP 07-308308	Japan			Abstract	
	435.	12/08/1995	JP 07-319059	Japan			Abstract	
	436.	12/19/1995	JP 07-331939	Japan			Abstract	
	437.	05/31/1996	JP 08-138046	Japan			Abstract	
	438.	05/20/1997	JP 09-134419	Japan			Abstract	
	439.	01/20/1998	JP 10-014904	Japan			Abstract	
	440.	04/13/1999	JP 11-102432	Japan			Abstract	
	441.	07/30/1999	JP 11-203041	Japan			Abstract	
	442.	09/21/1993	KR 1993-242230	Korea			Abstract Only	
	443.	04/27/1994	KR 94-7344	Korea			Abstract	
	444.	04/20/1996	KR 1996-011690	Korea				X
	445.	08/05/2000	KR 10-2000-0050137	Korea			Abstract Only	
	446.	11/06/2000	KR 10-2000-0063878	Korea			Abstract Only	
	447.	01/05/2001	KR 10-2001-0000324	Korea			Abstract Only	
	448.	01/05/2001	KR 10-2001-0000508	Korea			Abstract Only	
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	450.	05/07/2001	KR 10-2001-0035260	Korea			Abstract Only	
	451.	05/07/2001	KR 10-2001-0035295	Korea			Abstract Only	
	452.	07/04/2001	KR 10-2001-0057120	Korea			Abstract Only	
	453.	08/04/2001	KR 10-2001-0074375	Korea			Abstract Only	
	454.	08/25/2001	KR 10-2001-0080832	Korea			Abstract Only	
	455.	09/01/2001	KR 10-2001-0083355	Korea			Abstract Only	
	456.	05/09/1996	WO 96/13800	WIPO				
V	457.	04/17/1997	WO 97/14111	WIPO				

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/MH/	458.	03/19/1998	WO 98/11478	WIPO				
	459.	03/19/1998	WO 98/11501	WIPO				
	460.	03/19/1998	WO 98/11750	WIPO				
	461.	08/13/1998	WO 98/35118	WIPO				
	462.	02/17/2000	WO 00/08591	WIPO				
	463.	05/18/2000	WO 00/28469	WIPO				
	464.	06/29/2000	WO 00/38099	WIPO				
	465.	02/15/2001	WO 01/11549	WIPO				
	466.	09/20/2001	WO 01/69520	WIPO				
	467.	03/04/2004	WO 2004/019382	WIPO				

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
/MH/	468.	AuthenTec, Inc. Personal Security for the Real World. (Date Unknown). "A Comparison of Capacitive and Electric-Field Based Human Fingerprint Readers: The Basic Transducer Physics," located at: < <a href="http://www.authentec.com/efield.html">http://www.authentec.com/efield.html</a> > , last visited on October 28, 1999, three pages.
	469.	Igaki, S. et al. (January 1990). "Holographic Fingerprint Sensor," <i>FUJITSU-Sci. Tech. J.</i> 25(4):287-296.
	470.	Isobe, Y. et al. (2001). "Development of Personal Authentication System Using Fingerprint with Digital Signature Technologies," <i>Proceedings of the 34th Hawaii International Conference on System Sciences, IEEE</i> pp. 1-9.
	471.	Kim, J.H. et al. (2000). "Fingerprint Scanner Using a-Si: H TFT-Array," <i>SID Digest</i> pp. 353-355.
	472.	Pettersson, M. et al. (November 16, 2001). "Ensuring Integrity with Fingerprint Verification," <i>Precise Biometrics AB</i> pp. 1-5.
	473.	Ruiz-Mezcua, B. et al. (1999). "Biometrics Verification in a Real Environment," <i>IEEE</i> pp. 243-246.
	474.	Sanchez-Reillo, R. et al. (February, 2000). "Acces Control System with Hand Geometry Verification and Smart Cards," <i>IEEE AES Systems Magazine</i> pp. 45-48.
	475.	Verlinde, P. et al. (2000). "Multi-Modal Identity Verification Using Expert Fusion," <i>Information Fusion</i> 1:17-33.
	476.	Young, N.D. et al. (January 1997). "Novel Fingerprint Scanning Arrays Using Polysilicon TFT's on Glass and Polymer Substrates," <i>IEEE Electron Device Letters</i> , 18(1):19-20.

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